

Title (en)

A colorant liquid product for decorating ceramic tiles

Title (de)

Flüssiges Färbeprodukt zum Dekorieren von keramischen Fliesen

Title (fr)

Produit colorant liquide pour la décoration de carreaux céramiques

Publication

EP 1264811 A1 20021211 (EN)

Application

EP 02015182 A 19980527

Priority

- EP 02015182 A 19980527
- EP 98830327 A 19980527

Abstract (en)

A colorant liquid product for decoration of ceramic tiles is a liquid mixture containing: A) a chemical organic derivative with wetting properties, preferably a glycol; B) an inorganic or metal-organic salt having a chromophore action; C) a water-soluble synthetic resin having a lubricating action; and D) a solvent. A surface to be decorated of a ceramic base is prepared by receiving a bottom coat of glaze and then is treated with a waterproofing material. The liquid product can be used as it is or can be mixed with ceramic powders to form a paste which is applied, using a silk screen or a roller, on the waterproofing layer so as to form a decoration. This is then wetted with a liquid, causing a diffusion of the chromophore salts contained in the product.

IPC 1-7

C04B 41/87; **C04B 41/89**

IPC 8 full level

C04B 41/50 (2006.01); **C04B 41/52** (2006.01); **C04B 41/85** (2006.01); **C04B 41/89** (2006.01)

CPC (source: EP)

C04B 41/009 (2013.01); **C04B 41/5007** (2013.01); **C04B 41/52** (2013.01); **C04B 41/85** (2013.01); **C04B 41/89** (2013.01)

C-Set (source: EP)

1. **C04B 41/52 + C04B 41/5022**
2. **C04B 41/52 + C04B 2103/65**
3. **C04B 41/52 + C04B 41/4572 + C04B 41/46 + C04B 41/48 + C04B 41/5007 + C04B 41/5025**
4. **C04B 41/52 + C04B 41/0072 + C04B 41/4558 + C04B 41/502**
5. **C04B 41/5007 + C04B 41/4572 + C04B 41/46 + C04B 41/48 + C04B 41/5025**
6. **C04B 41/009 + C04B 33/00**

Citation (search report)

- [X] DE 3109927 A1 19820923 - ZSCHIMMER & SCHWARZ GMBH & CO [DE]
- [X] US 5273575 A 19931228 - DE SAINT ROMAIN PIERRE [FR]

Cited by

US7811508B2; WO2005063650A3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0960873 A1 19991201; **EP 0960873 B1 20040310**; AT E261418 T1 20040315; AT E334952 T1 20060815; DE 69822288 D1 20040415; EP 1264811 A1 20021211; EP 1264811 B1 20060802; ES 2214695 T3 20040916; ES 2269567 T3 20070401

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